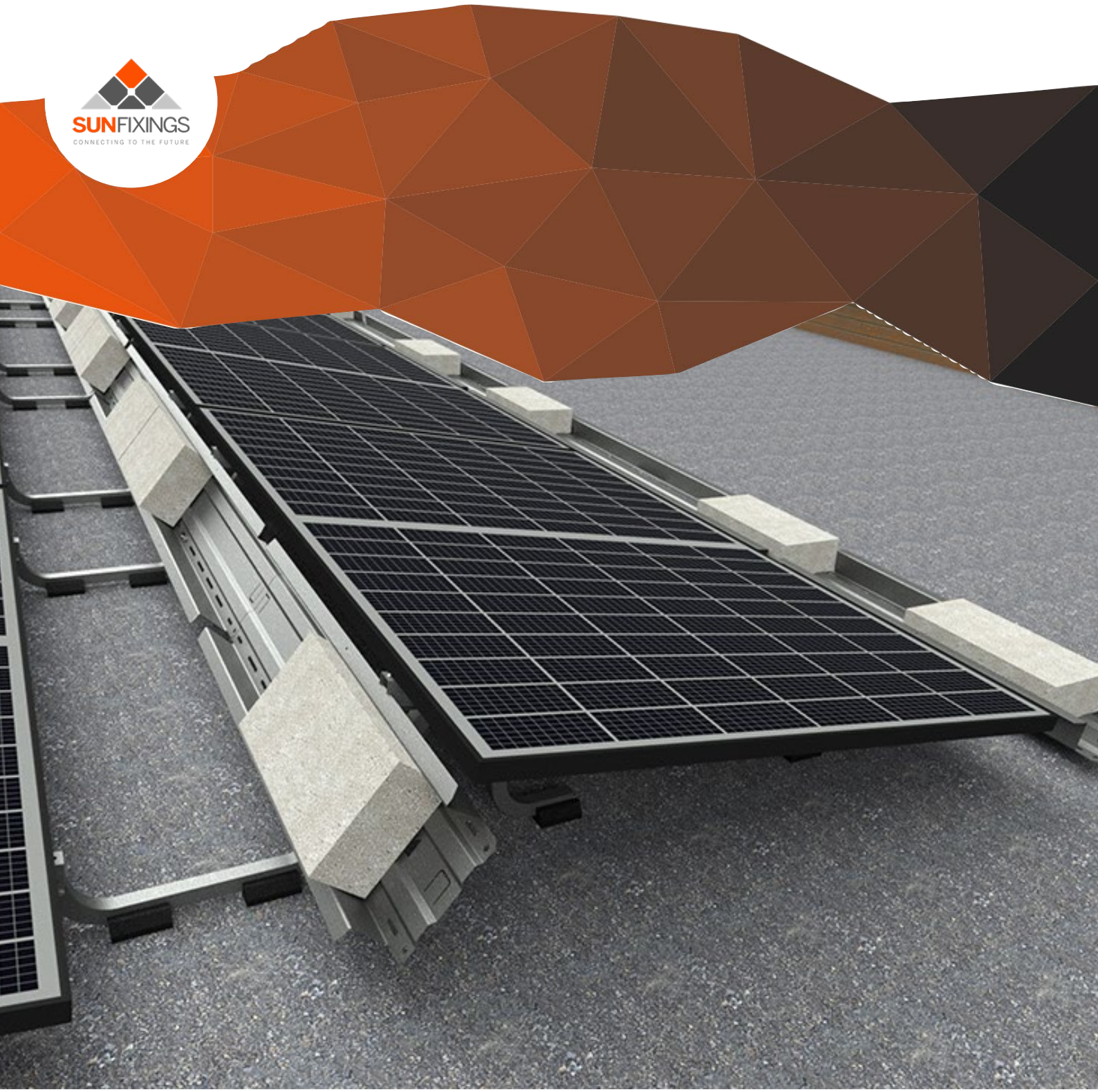


PB III v.3

MOUNTING INSTRUCTIONS

Sunfixings

MANUAL DISCLAIMER

These instructions do not purport to cover all details or variations in the equipment and do not claim to provide for every possible contingency met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the installation purposes, the matter should be referred to Sunfixings.

Please Note: Failure to comply with Sunfixings Mounting Instructions, Designed Layout, Tooling Requirements, Advised Tightening Torques may invalidate our Sunfixings 25 Year Goods Warranty.

SAFETY INSTRUCTION



Only qualified, trained and competent person should be involved with installation, inspection, and maintenance.



Ensure all national and local safety codes are followed when installing this equipment. For roof systems, the load bearing capacity of the roof must be checked by the competent person before the installation is started.



Make sure all installers have been trained for safe working practices. Installers must wear personal protective equipment. Installers must at all times adhere to the site's safety procedures whilst assembling the system.



Safe handling procedures for all hazardous chemicals must be followed.



The mounting instructions of the module manufacturer are always to be adhered to.

Sunfixings Ltd reserves the right to refuse liability if it is found by Sunfixings Ltd that third party components have been used in conjunction with our mounting systems.

Sunfixings Ltd reserves the right to refuse liability if it is found by Sunfixings Ltd that these general safety instructions and also the mounting instructions have not been regarded and adhered to.

SUNFIXINGS LIMITED
R3 Bourton Industrial Park
Bourton on the Water
Cheltenham
Gloucestershire
GL54 2HQ

T. +44 (0) 1451 824 312

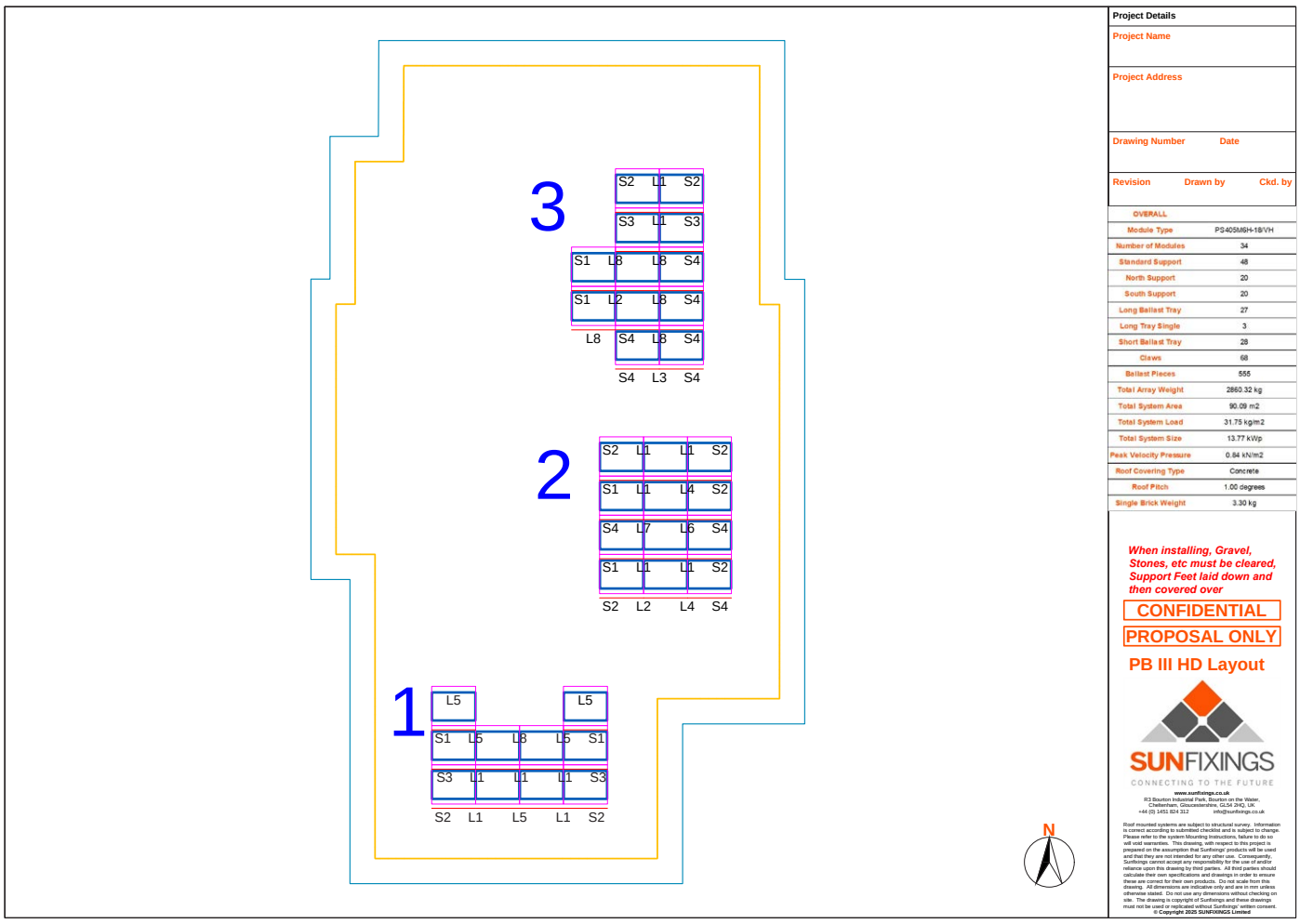
E. info@sunfixings.co.uk

W. www.sunfixings.co.uk

Read the layout

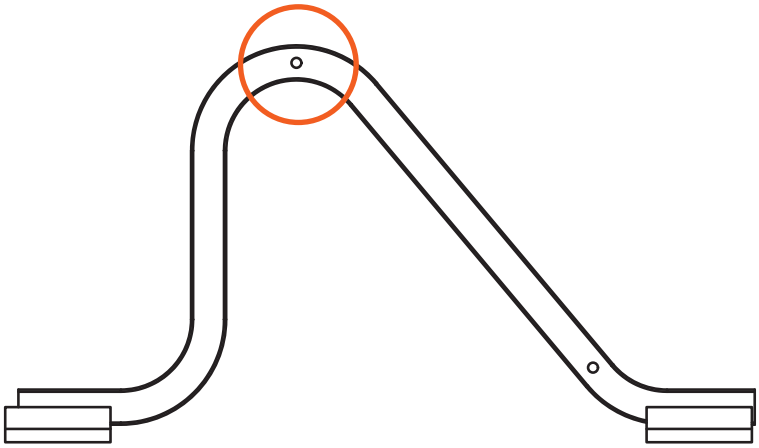
1. Understand and confirm the position of the modules.

2. Check the number of the components needed for each array.

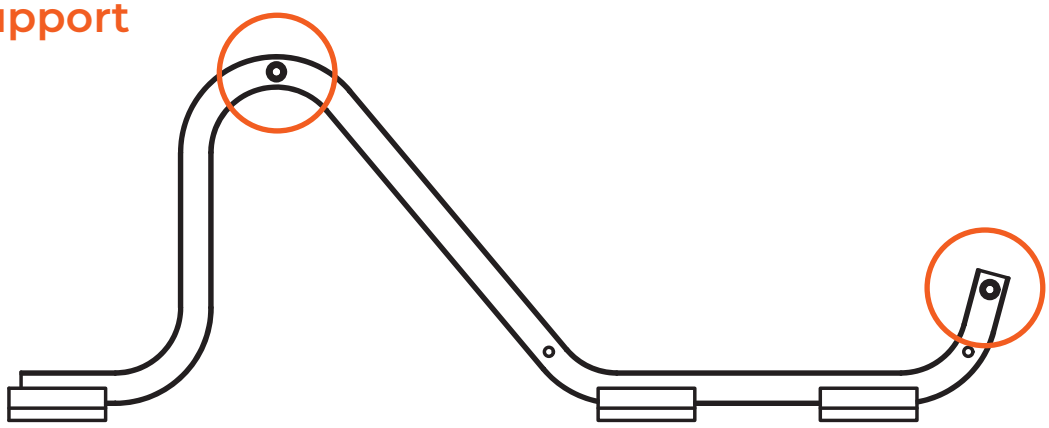


Refer to the following mounting holes for installation

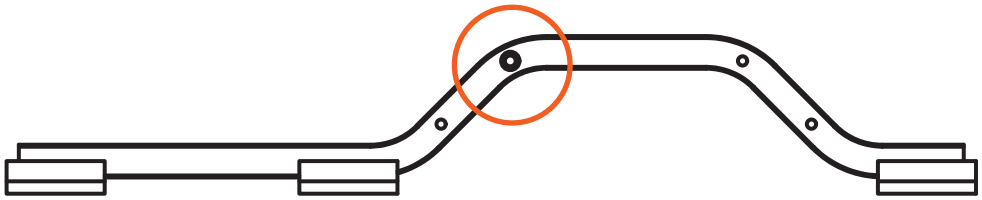
North Support



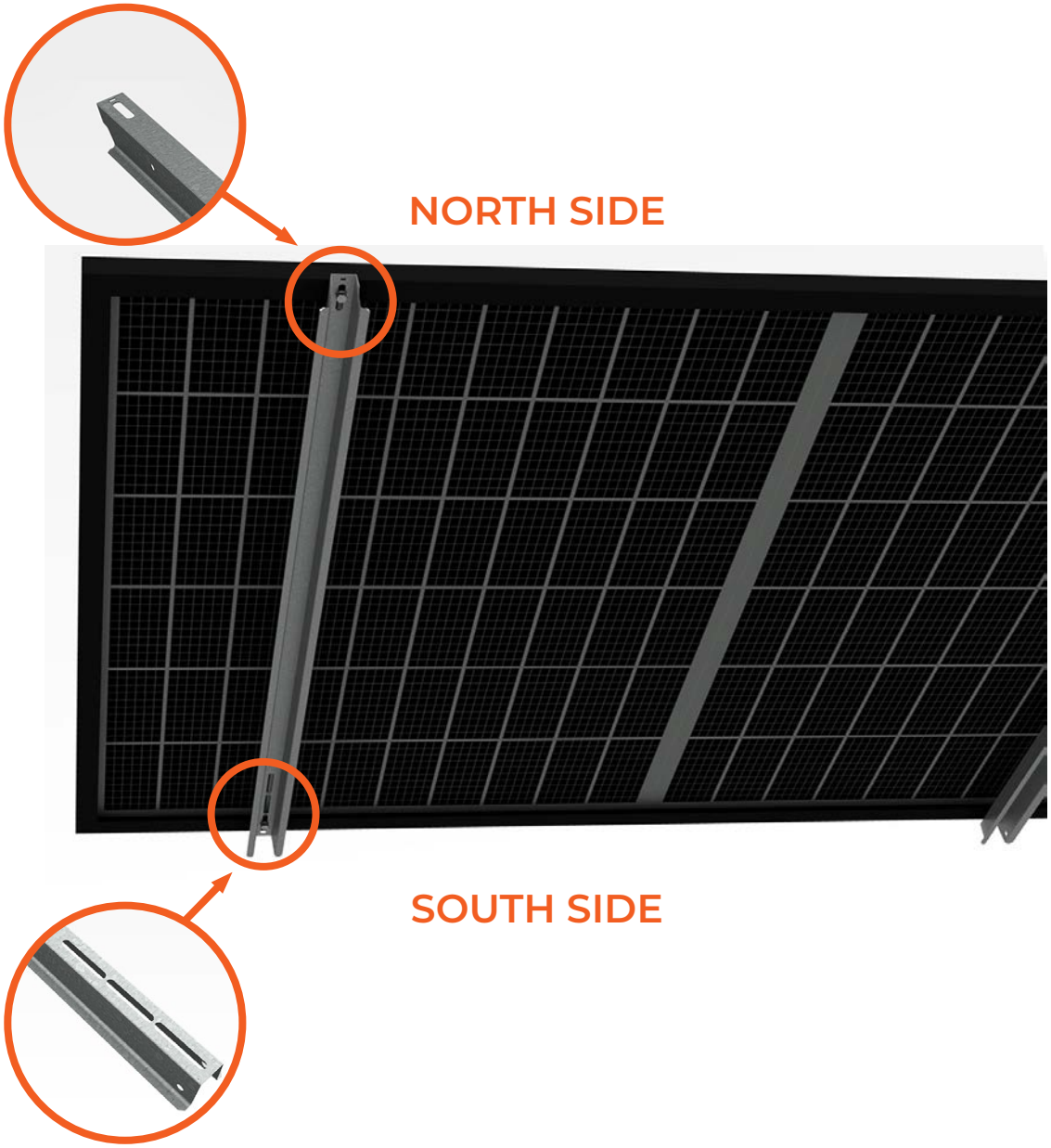
Standard Support

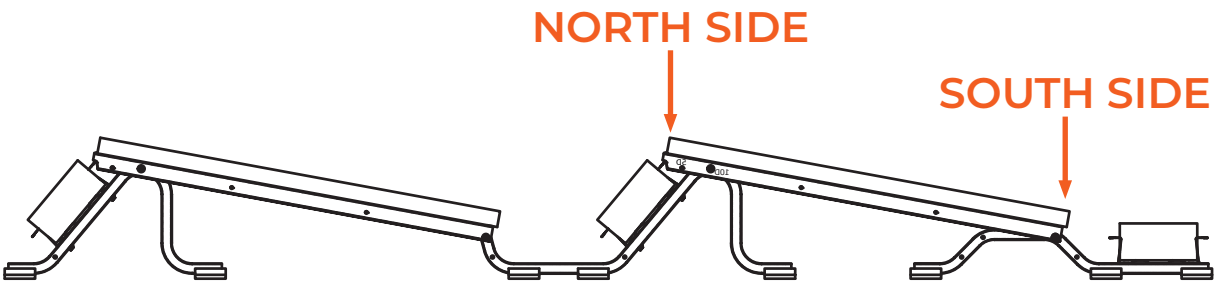


South Support

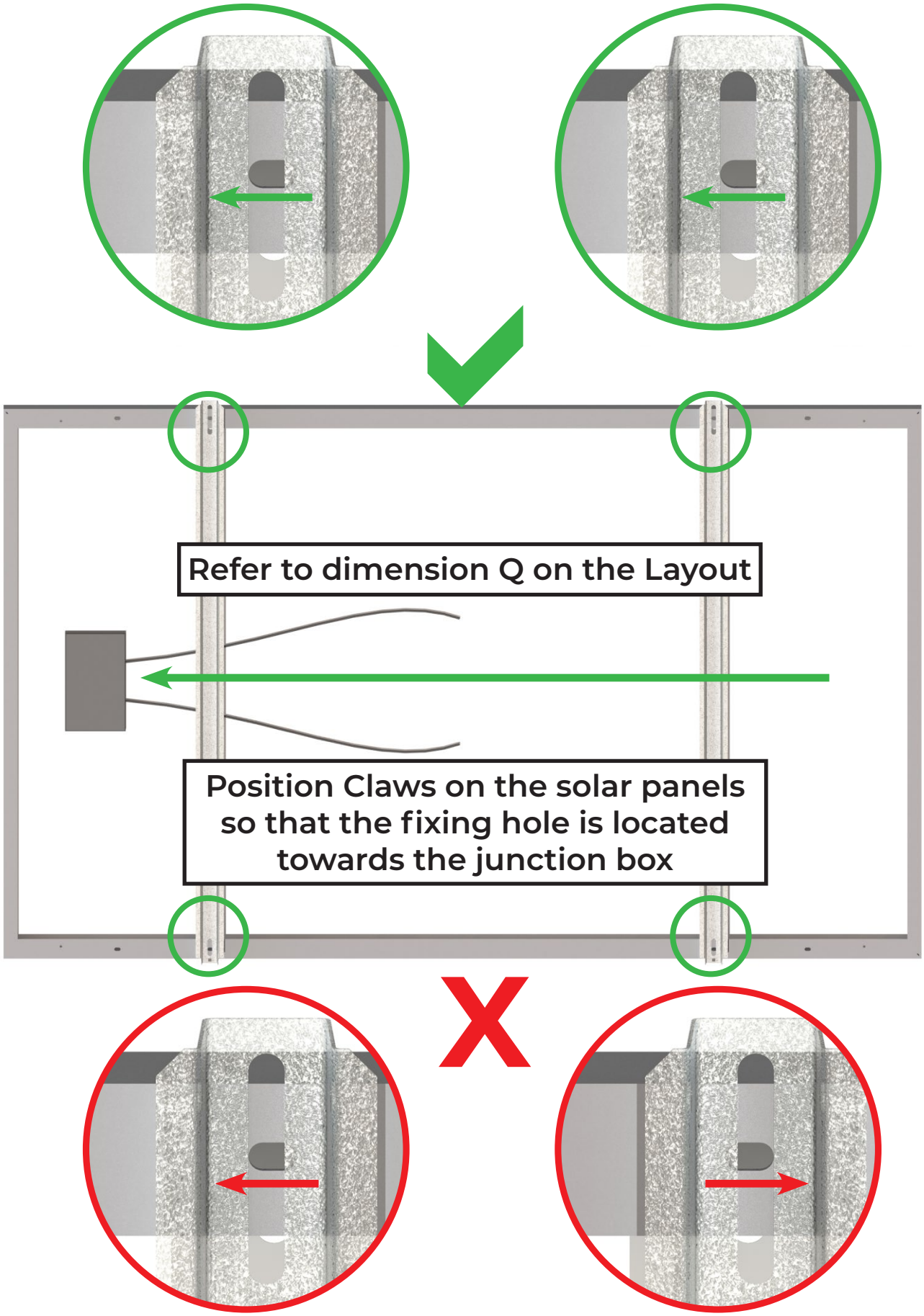


Position the Claw on the solar panel





Position the Claws on the solar panels



Attach the Claws to the solar panels

Tools & Items Required

10mm (Bolts)



10mm (Nuts)



Claw

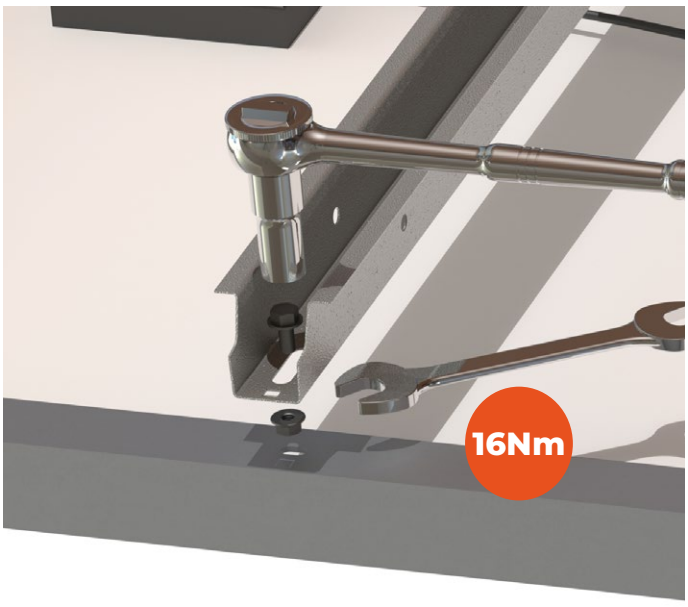


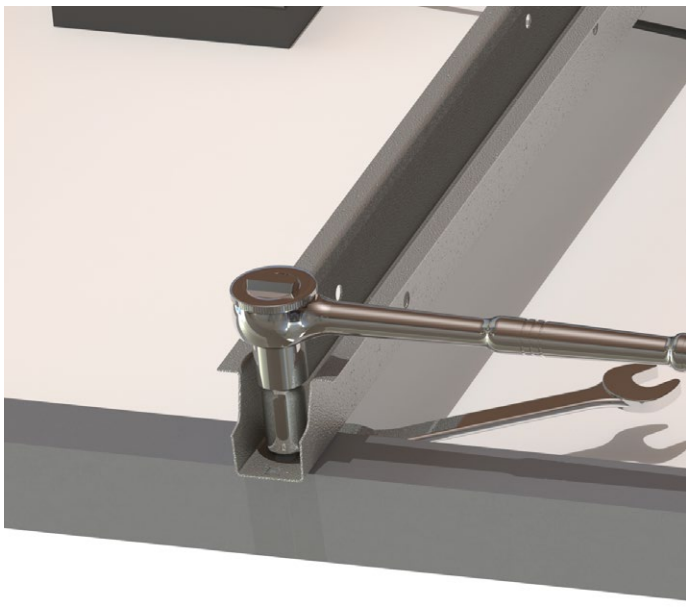
Short Bolt M6



M6 Serrated Nut



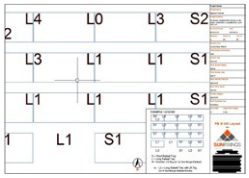




Set out the Supports

Tools & Items Required

Layout



Tape Measure



String Line



South Support



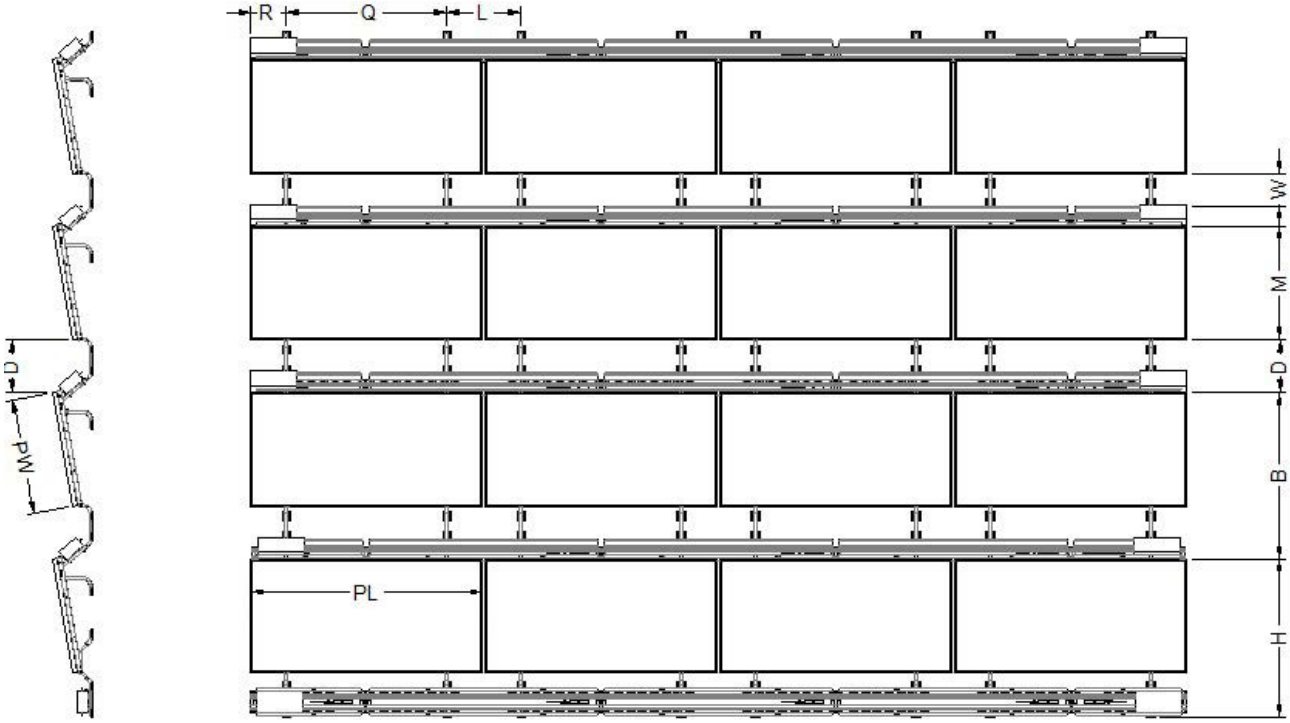
Standard Support



North Support



Refer to the Layout and use dimension R, Q, L, H, B, D, M & W to set out the supports.



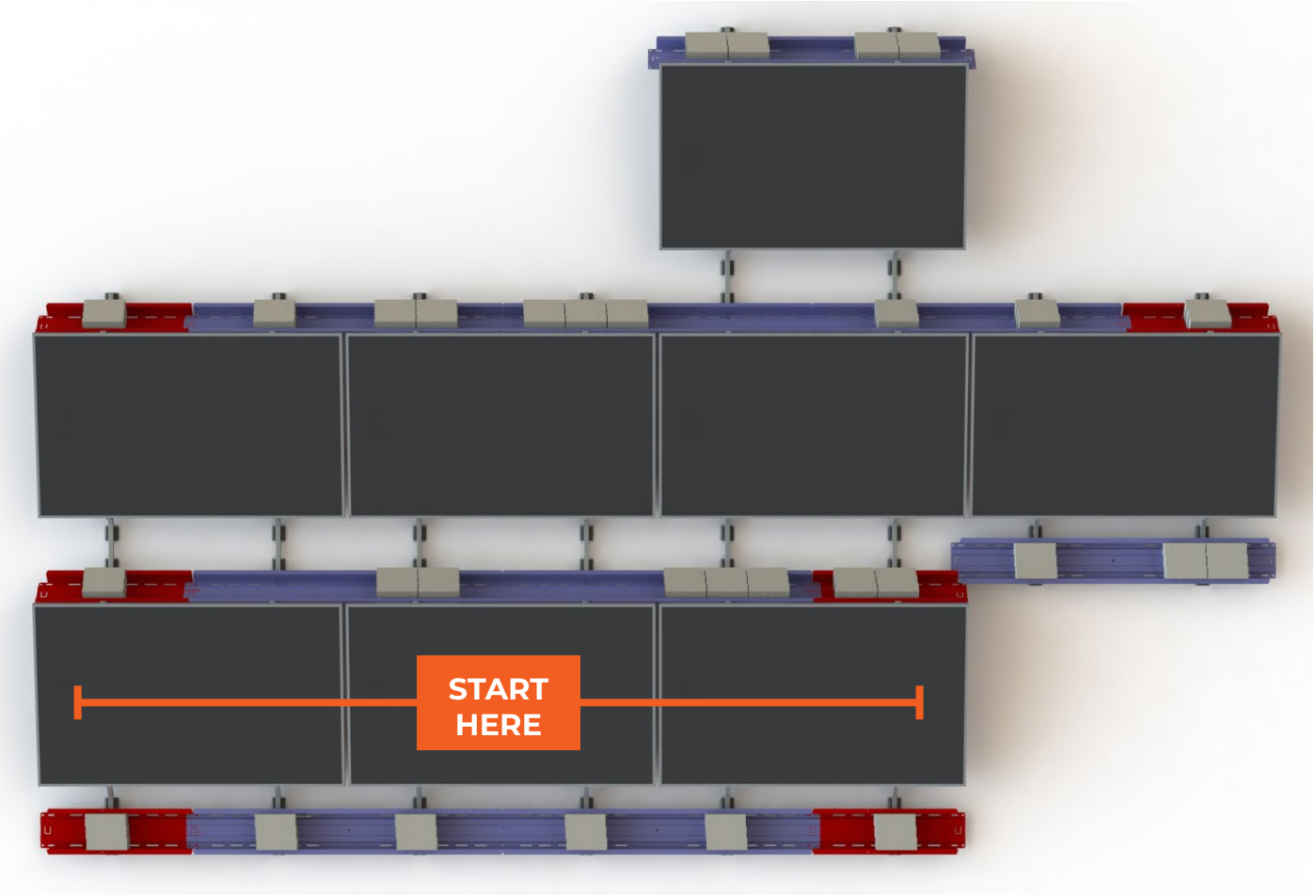
North Support

Standard Support

South Support



Set out the Supports



SOUTH

Fixing the Claws to the South Supports

Tools & Items Required

10mm



10mm



South Support



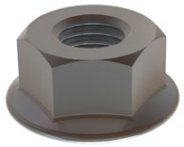
Claw



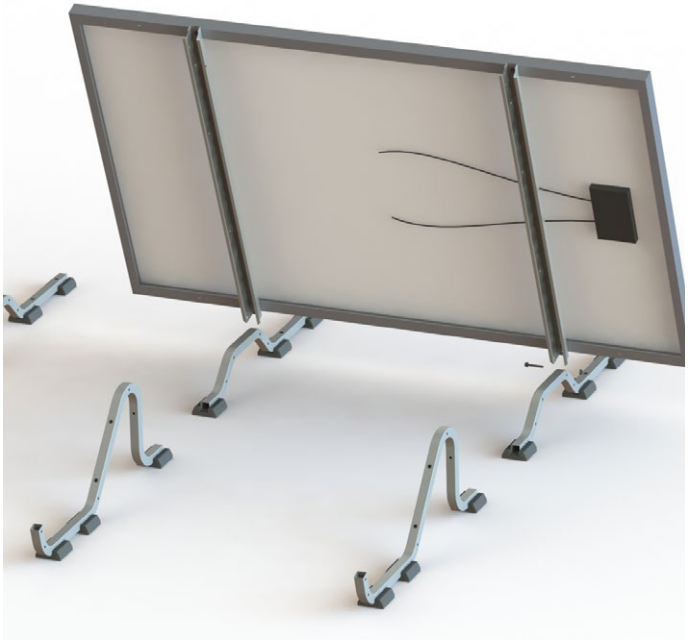
Long Bolt M6

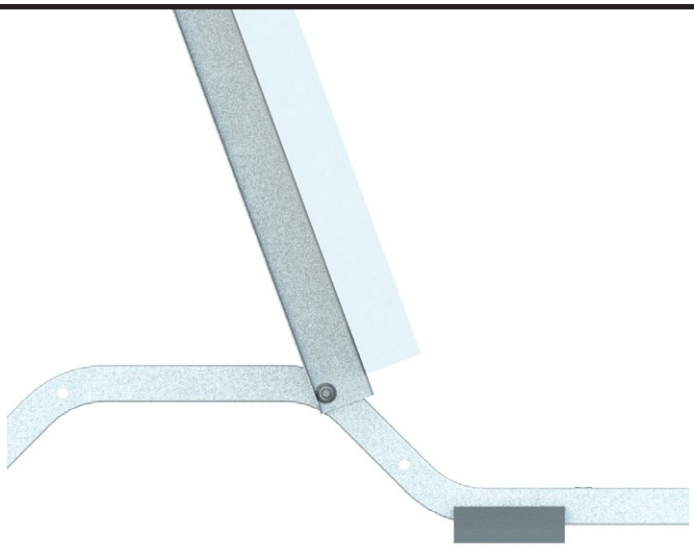


Serrated Nut M6



Refer to page 4 of this document to confirm the correct fixing holes







For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



Fixing the Claws to the Standard Supports

Tools & Items Required

10mm



10mm



Standard Support



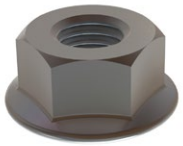
Claw



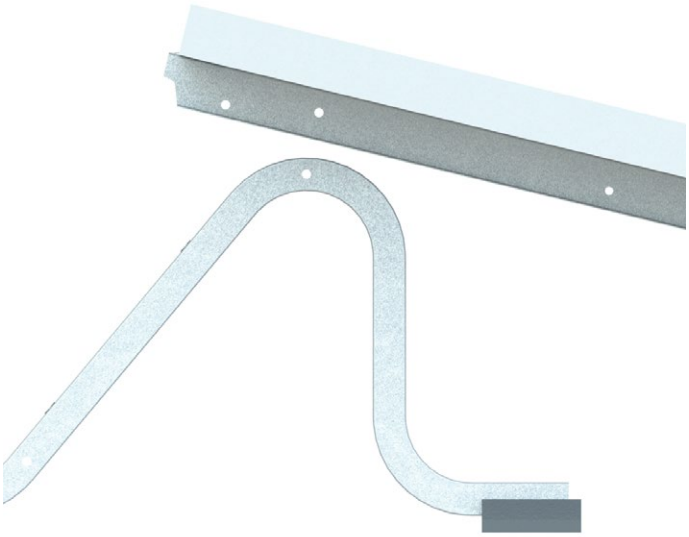
Long Bolt M6



Serrated Nut M6



Refer to page 4 of this document to confirm the correct fixing holes





For initial fixing you can use a battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



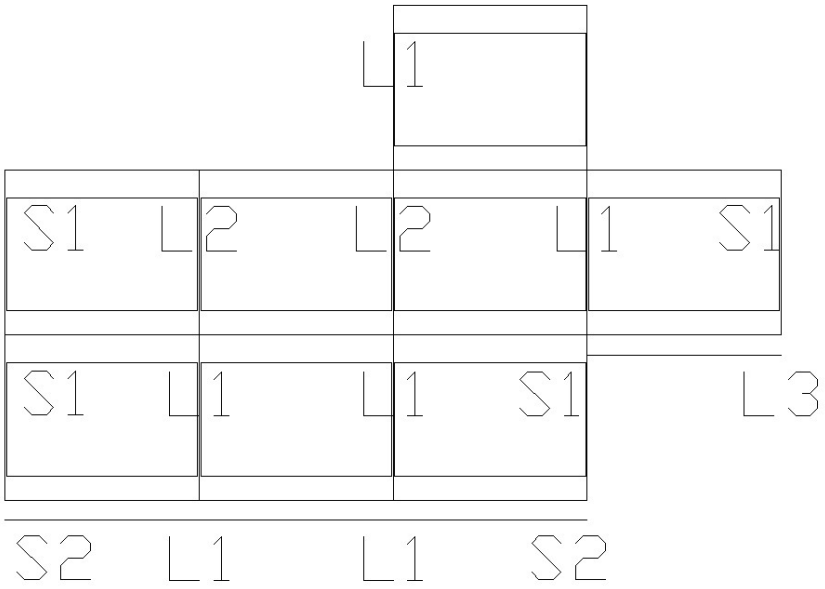


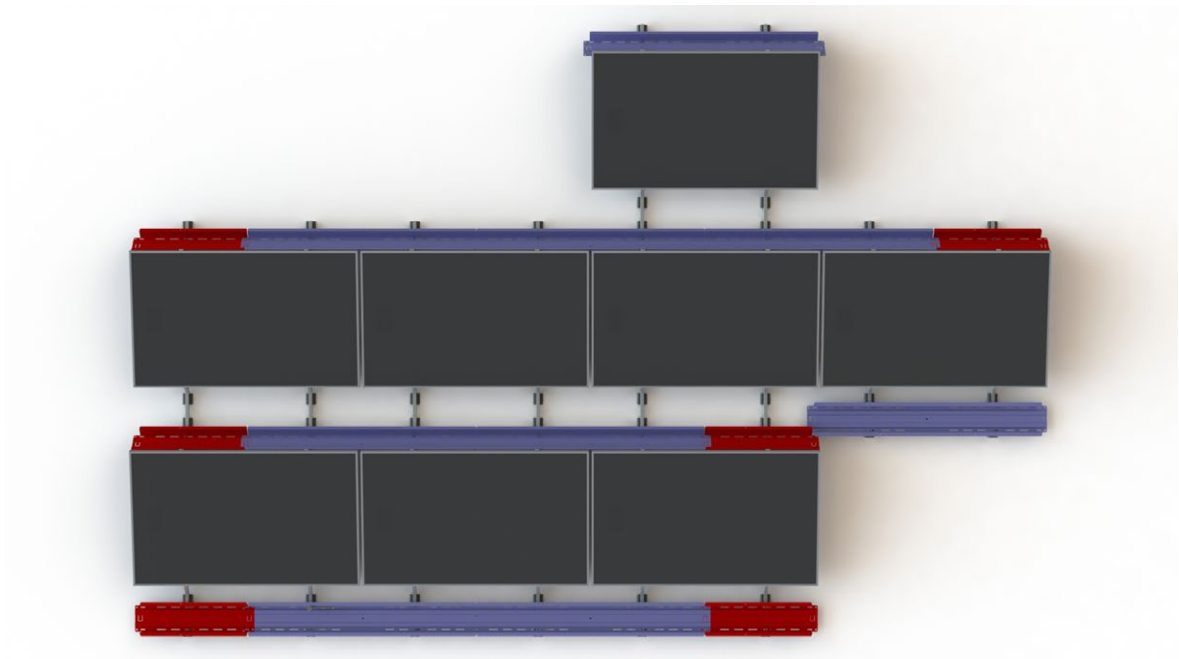
Identifying the Ballast Trays



Refer to the Layout as to where the Short and Long Ballast Trays need to be positioned on the South row.

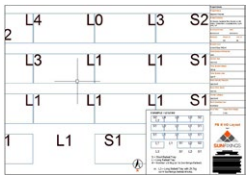
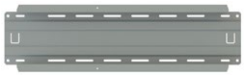


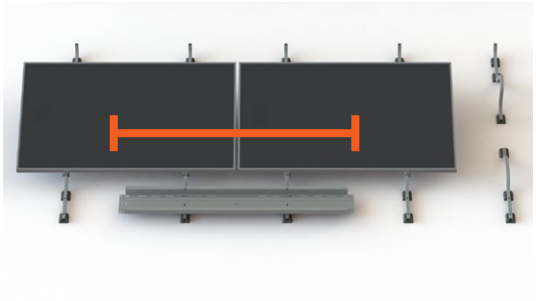


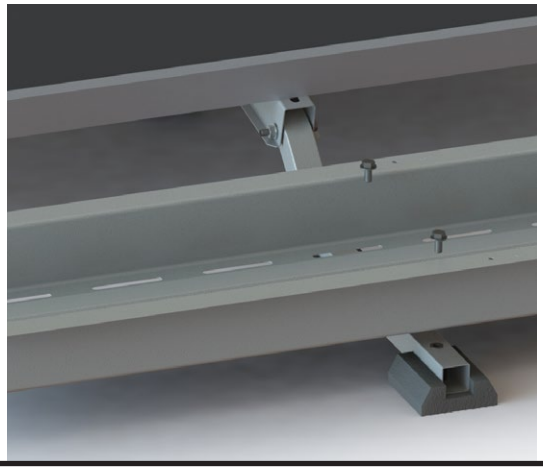


Fixing the Long Ballast Tray on the South Supports

Tools & Items Required

Layout	10mm	South Support	Long Ballast Tray	Short Bolt M6
				





The Long Ballast Tray needs to cross 2 modules

Repeat this step for all other Long Ballast Trays on the South Support

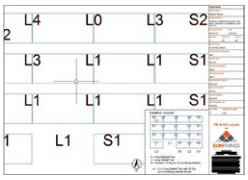
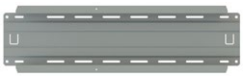
For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.

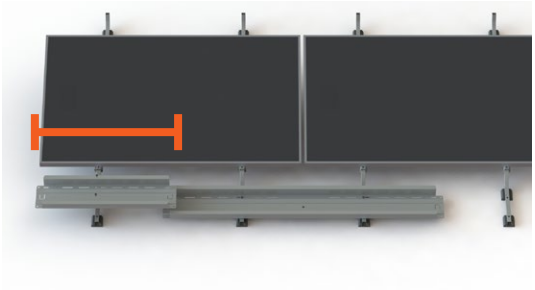


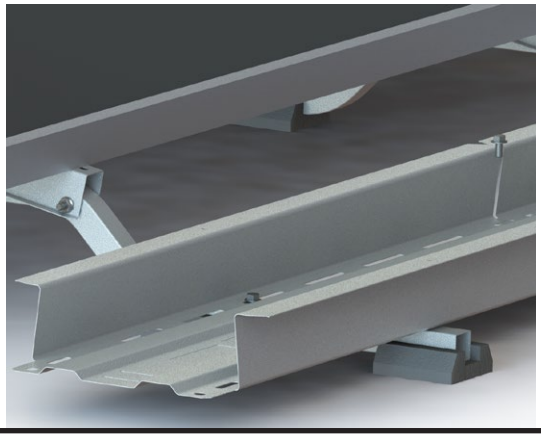


Fixing the Short Ballast Tray on the South Supports

Tools & Items Required

Layout	10mm	South Support	Short Ballast Tray	Short Bolt M6
				

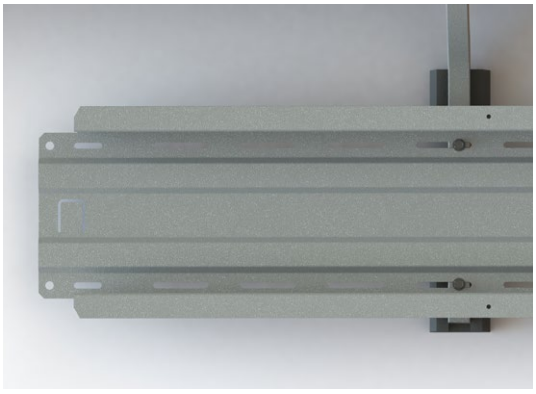


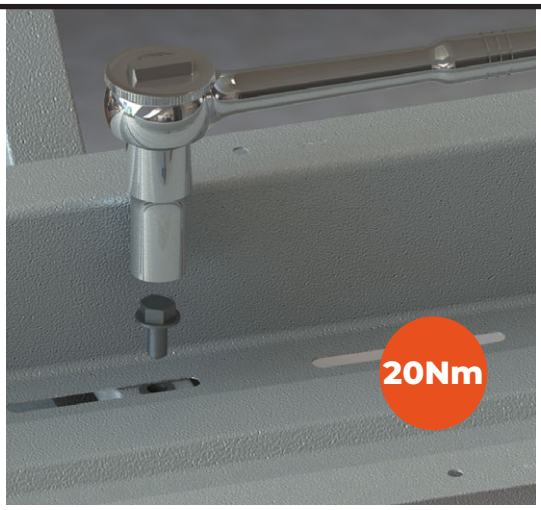


The Short Ballast Tray needs to cross the last support of southern row.

Repeat this for the other side of the row.

For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.





Fixing the Short & Long Ballast Trays together

Tools & Items Required

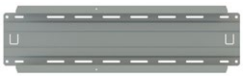
10mm



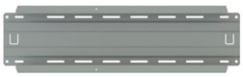
10mm



Long Ballast Tray



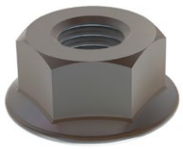
Short Ballast Tray



Short Bolt M6



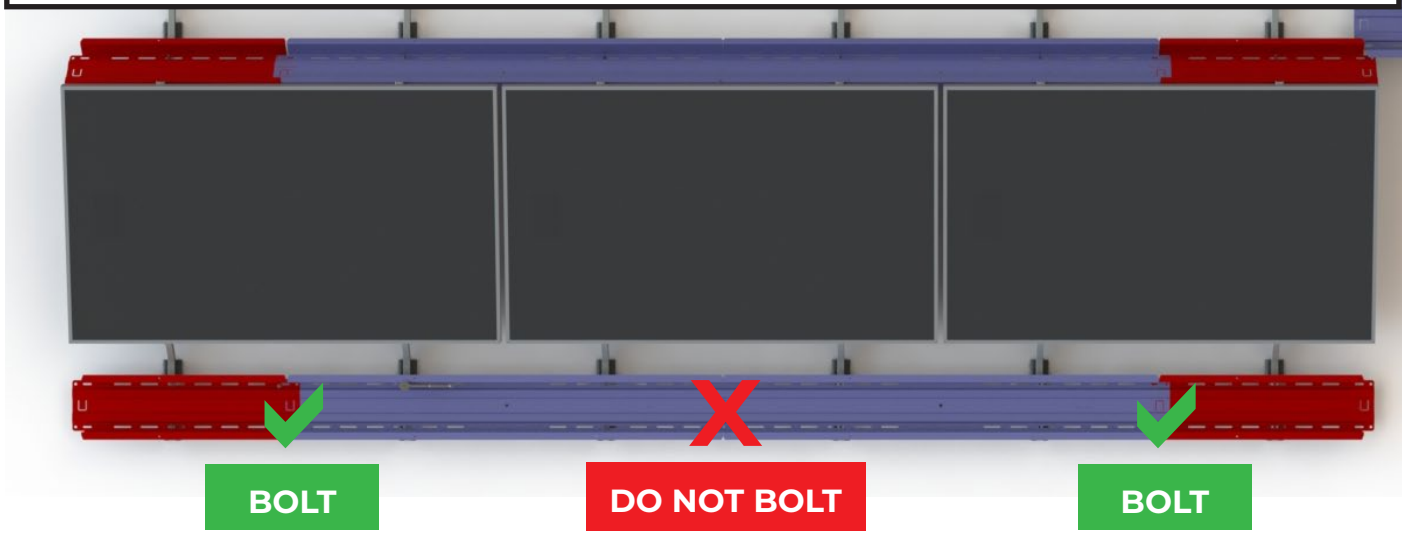
Serrated Nut M6





Only bolt Short Ballast Trays to Long Ballast Trays.
DO NOT bolt Long Ballast Trays to other Long Ballast Trays.

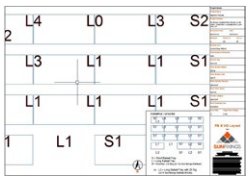
For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



Fixing the Long Ballast Tray on the back of the solar panel

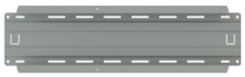
Tools & Items Required

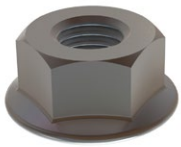
Layout	10mm	Standard & North Support	Long Ballast Tray	Short Bolt M6

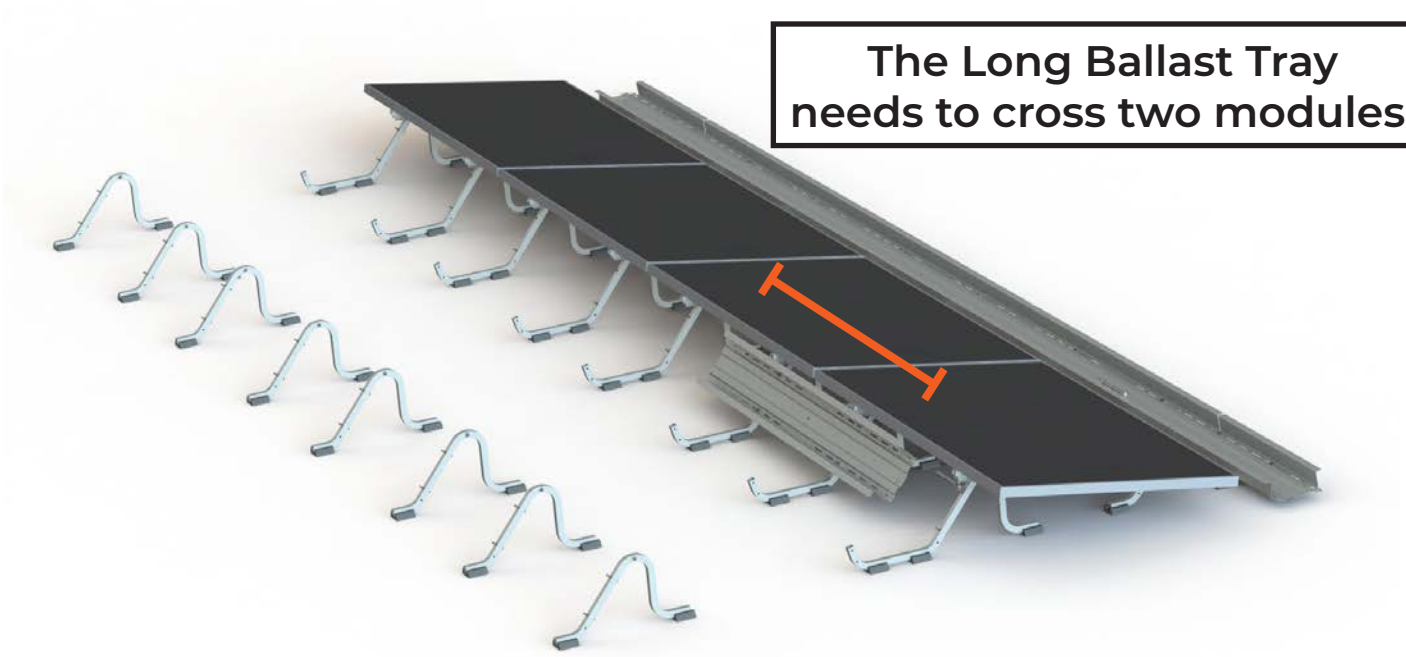








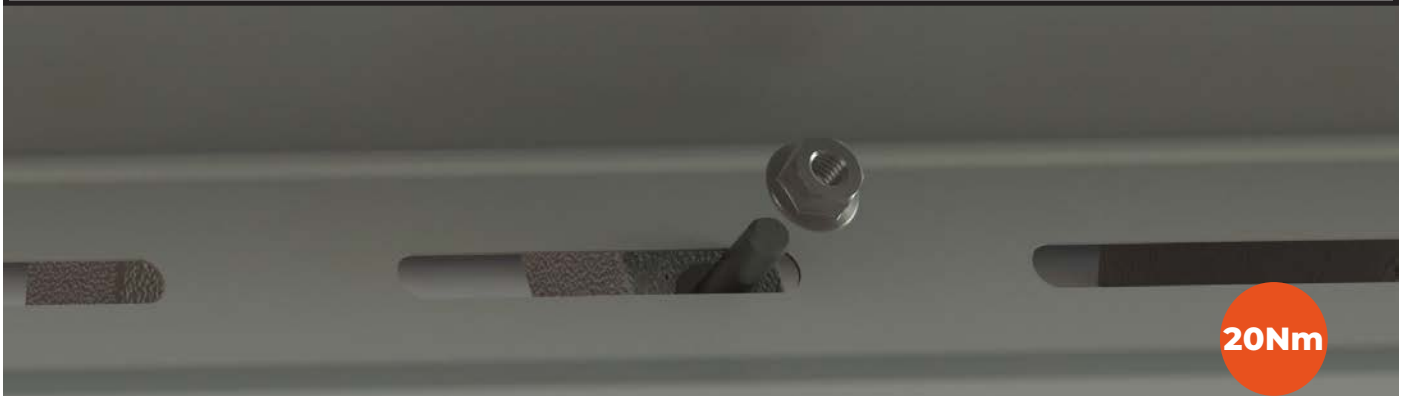




The Long Ballast Tray needs to cross two modules.

Repeat this step for all other Long Ballast Trays on the back of the solar panels.

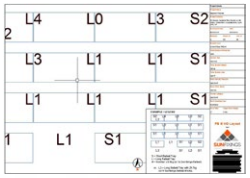
For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



Fixing the Short Ballast Tray on the back of the solar panel

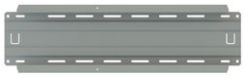
Tools & Items Required

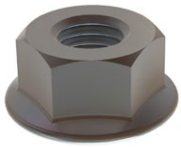
Layout	10mm	Standard & North Support	Long Ballast Tray	Short Bolt M6









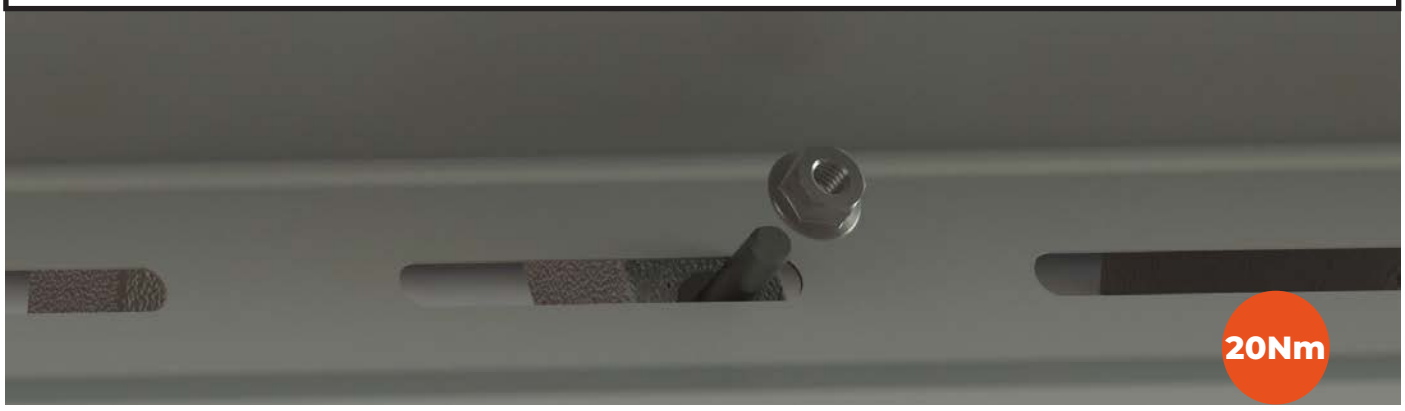




The Short Ballast Tray needs to cross the last support of row.

Repeat this for the other side of the row.

For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



Fixing Short & Long Ballast Trays together

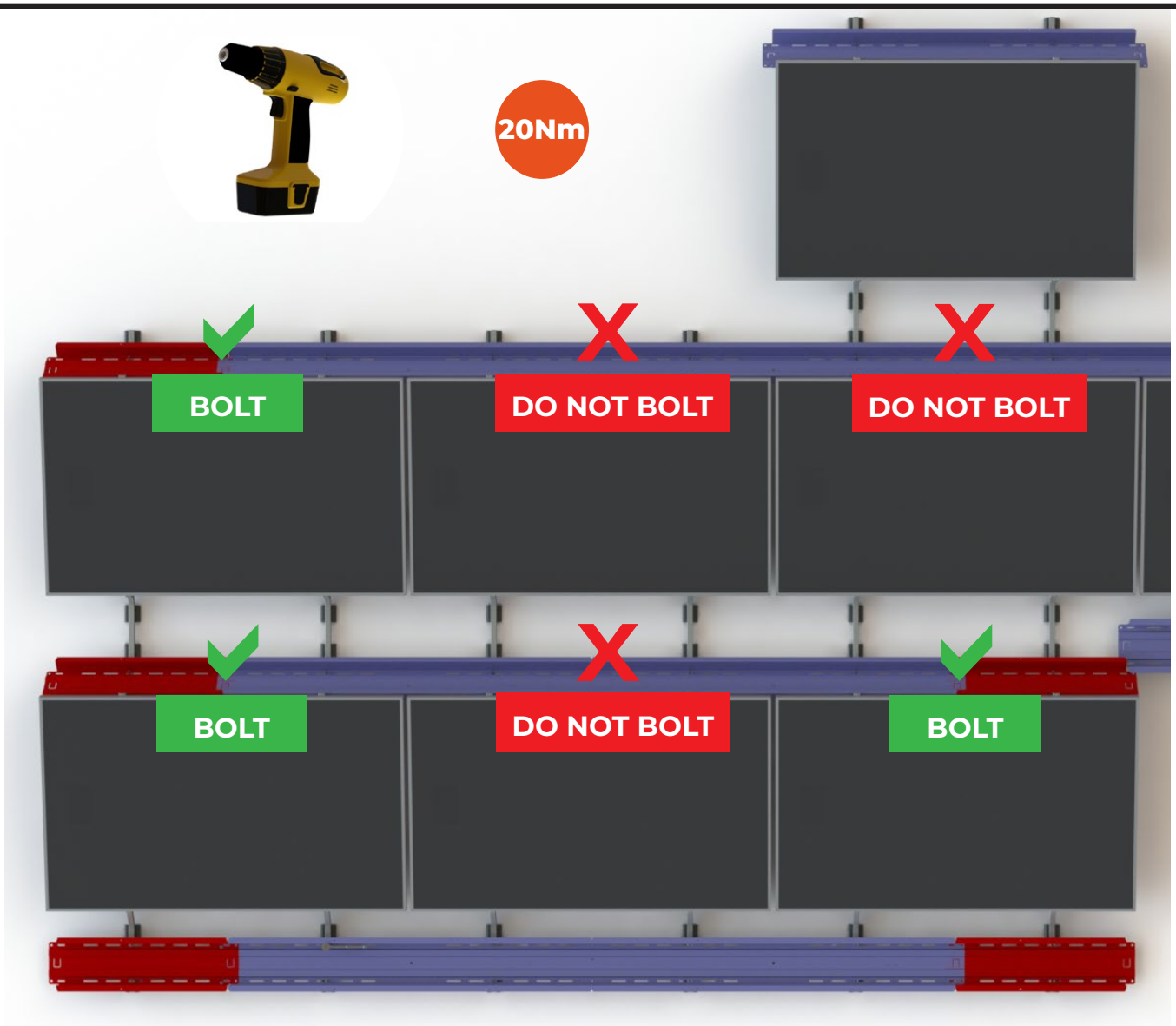
Tools & Items Required

10mm | 10mm | Long Ballast Tray | Short Ballast Tray | Short Bolt M6 | Serrated Nut M6

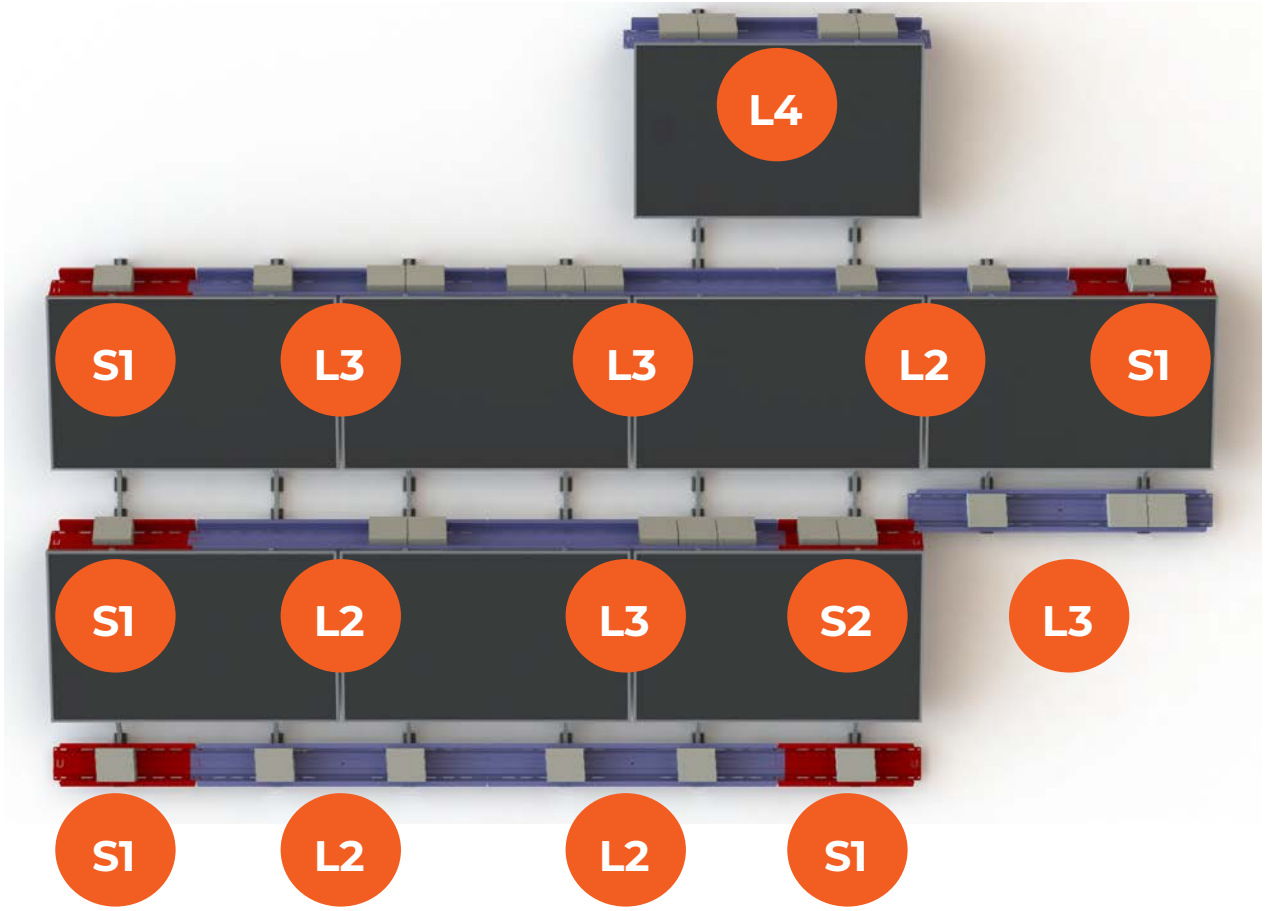


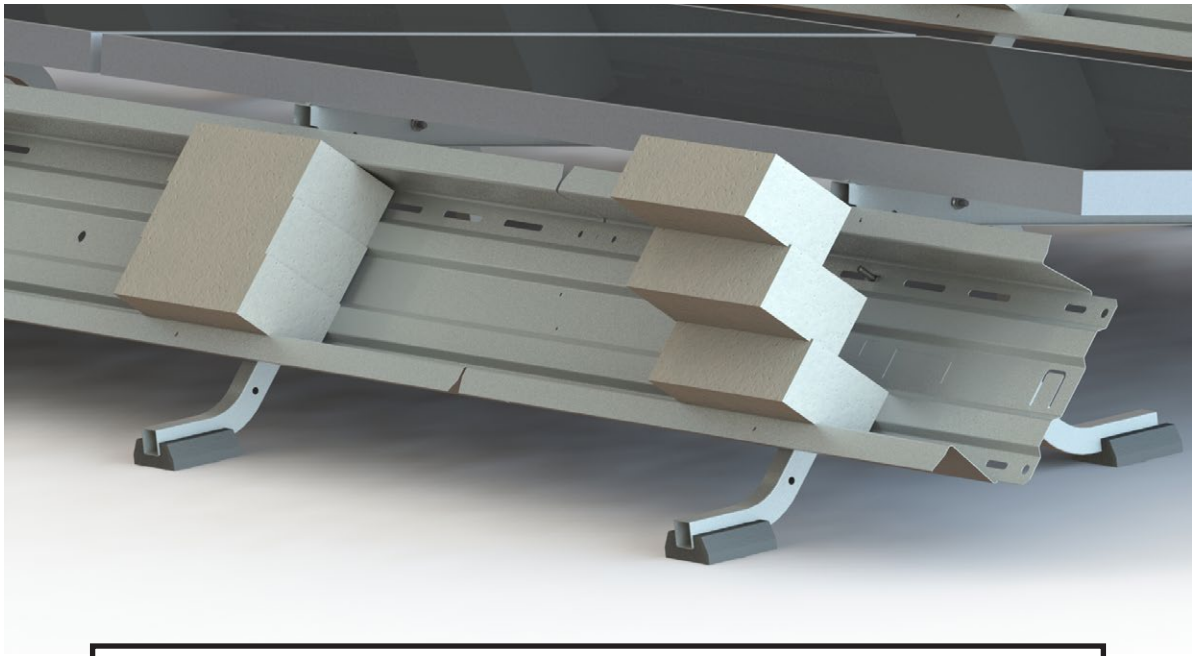
Only bolt Short Ballast Trays to Long Ballast Trays.
DO NOT bolt Long Ballast Trays to other Long Ballast Trays.

For initial fixing you can use battery drill, but use a deep socket and torque wrench to ensure correct torque setting.



Placing the Ballast in the Ballast Trays





1 = 3x Sunfixings Ballast Blocks or 9.9kg
2 = 6x Sunfixings Ballast blocks or 18.18kg